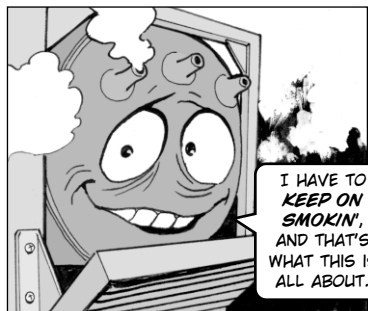


M157A2 Smoke Generator...

...I'M A SMOKE GENERATOR AND I GOTTA KNOW...

HOW NOT TO STOP SMOKING!



I HAVE TO KEEP ON SMOKIN', AND THAT'S WHAT THIS IS ALL ABOUT.



SITTING AND SHAKING CAUSE MOST OF THE PROBLEMS FOR THE M157A2 SMOKE GENERATOR.

HERE ARE A COUPLE OF WAYS TO SNUFF OUT THOSE PROBLEMS.

Sitting

SITTING UNUSED FOR LONG PERIODS LETS CORROSION FORM IN THE FUEL PUMP AND LOCK IT UP.

"BUT COATING THE INSIDE OF THE FUEL PUMP WITH A CORROSION FIGHTER LIKE 15W-40 OIL STOPS CORROSION."

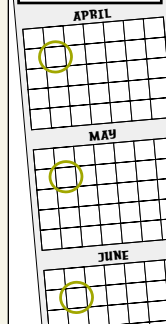


Put fuel supply hose in oil can

SO IF YOUR M157A2s ARE GOING TO SIT, RUN OIL THROUGH THE FUEL PUMP LIKE IT SAYS ON PAGE 2-22 IN THE M157A2'S TM 3-1040-283-10.



"DO IT MONTHLY AS LONG AS THE M157A2 SITS."



Shaking

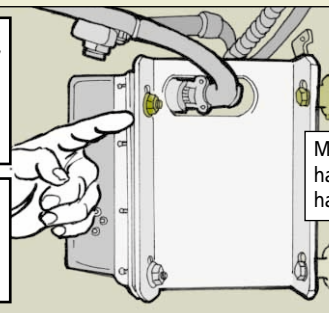


VIBRATION CAN LOOSEN THE FOUR NUTS THAT HOLD THE CONTROL PANEL TO THE MOUNTING BRACKET INSIDE THE M113 TRACKED VEHICLE IF ALL THE MOUNTING HARDWARE ISN'T IN PLACE.

IF THE NUTS GET TOO LOOSE, THE CONTROL PANEL SHAKES ENOUGH THAT THE CONTROLS AND SOLDERED CONNECTIONS ARE DAMAGED.

"SO BEFORE YOU GO TO THE FIELD, MAKE SURE EACH OF THE FOUR MOUNTING BOLTS HAS TWO WASHERS, ONE LOCK WASHER, AND A SELF-LOCKING NUT."

"IF ANY OF THE HARDWARE IS MISSING OR ANY OF THE BOLTS ARE LOOSE, TELL YOUR REPAIRMAN."



Make sure all four nuts have all their mounting hardware

"VIBRATION CAN ALSO LOOSEN THE NUTS THAT KEEP THE FOG OIL FLOW KNOB SPINDLES TIGHT."

"IF A NUT LOOSENS ENOUGH, YOU CAN'T CONTROL HOW MUCH FOG OIL IS BEING SENT TO THE GENERATOR. FOG OIL COULD FLOOD THE BURNER."

WE'RE LOOSE NUTS!



SPC JESUS ORTEGA OF THE 369TH CHEMICAL CO AT MCGREGOR RANGE, NEW MEXICO, CAME UP WITH THE SOLUTION.

THE SOLUTION

TAKE OFF THE CONTROL PANEL COVER AND REMOVE BOTH RHEOSTATS BY REMOVING THE TWO SCREWS, THE TWO LOCK WASHERS, AND THE TWO FLAT WASHERS FOR EACH.

TIGHTEN THE NUT ON EACH RHEOSTAT SHAFT AND PUT LOCTITE AROUND EACH NUT TO KEEP THEM TIGHT.

RE-INSTALL THE RHEOSTATS BY REVERSING THE PROCEDURE. YOU WILL NEED NEW LOCK WASHERS, NSN 5310-00-045-3296.

THE DISASSEMBLY AND ASSEMBLY PROCEDURES BEGIN ON PAGE 2-39 IN TM 3-1040-283-208P.

Tighten nut and then apply Loctite

